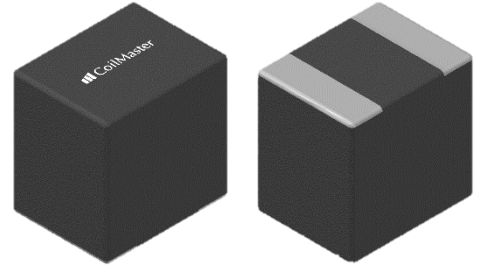


CMI-CMMPF322533V-SERIES

Features

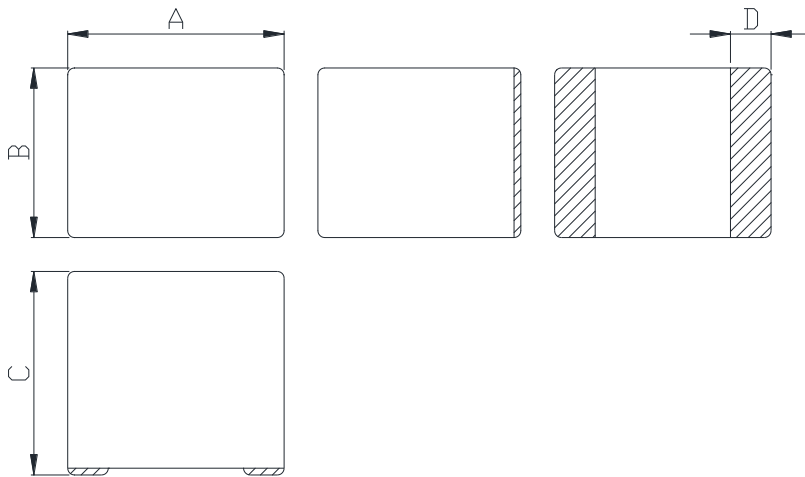
- ▶ Compact design, Flat wire
- ▶ Ultra high current and Low DCR.
- ▶ Metal powder molding type for EMC protection.
- ▶ Available tape and reel for auto insertion.
- ▶ Halogen-Free / RoHS compliant.
- ▶ AEC-Q200 qualified.



Applications

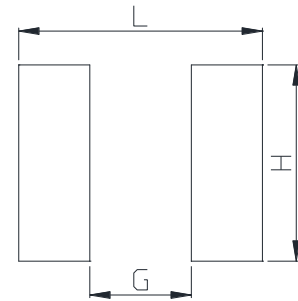
- ▶ Car navigation, Car Audio, ADAS ECU, In-C-Vehicle camera (View camera, Sensing camera), Automotive communication module.

Dimension (Unit:mm)



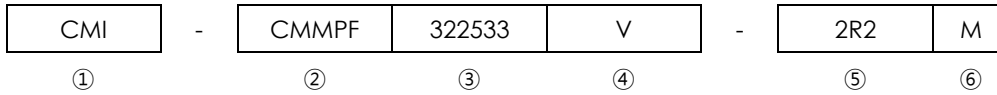
A	B	C	D
3.2±0.3	2.5±0.3	3.3 Max.	0.6±0.3

Land Pattern (Unit:mm)



L	G	H
3.6	1.5	2.9

Regulation of part number



- ① CoilMaster's initial
- ② Series Name : Car Metal Molded Power inductor Flat wire type
- ③ Core Size (unit:mm)
- ④ Type
- ⑤ Typical inductance value (2.2uH)
- ⑥ Inductance tolerance (±20%)

Specifications

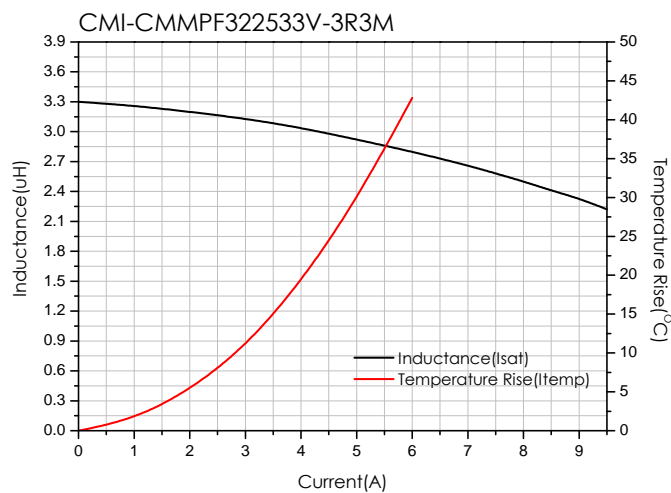
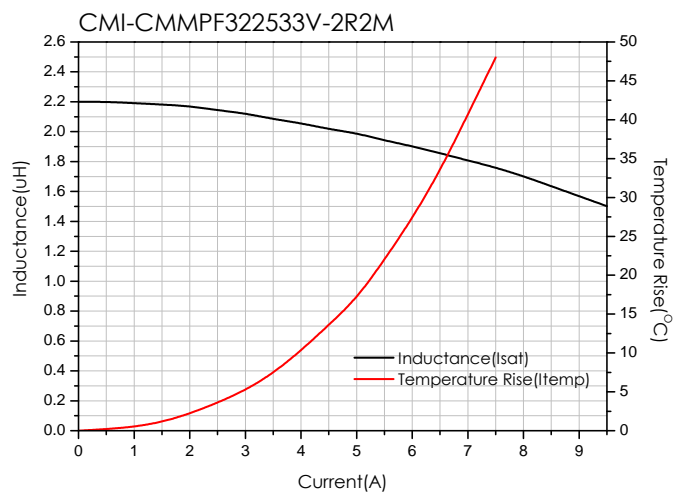
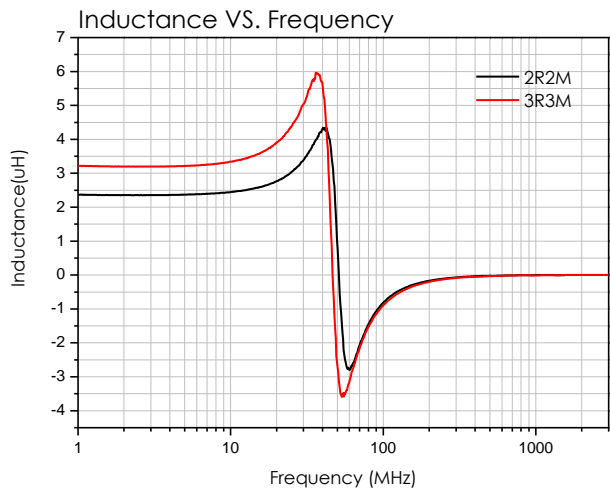
Part Number	Inductance (uH) ±20%	DCR(mohm) Max.(Typ.)	Isat(A) Max.(Typ.)	Itemp(A) Max.(Typ.)	SRF (Hz) Typ.
CMI-CMMPF322533V-2R2M	2.2	48(40)	7.8(8.5)	6.0(6.5)	45M
CMI-CMMPF322533V-3R3M	3.3	57.6(48)	7.2(8.0)	5.0(5.5)	40M

- Test Frequency : 1MHz
- Isat: When based on the inductance change rate (approximately 30% below in the initial value)
- Itemp: When based on the temperature increase (Temperature increase of approximately 40°C by self heating)
- Operating Temperature Range(including self temperature) : -40°C ~ +150 °C

Note 1 : Circuit design, component placement, PCB trace size and thickness, airflow and other cooling. Provision all affect the part Temperature. Part temperature should be verified in the end application.

- **You can also contact us by e-mail : coilmaster@coilmaster.com**
- All specifications are subject to change without notice.
- Update date : 2023.07.04

Electrical characteristics



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